

# ABSTRACT

A method is for effecting a computer-aided estimation of the mass of a vehicle, e.g., of a goods-carrying vehicle, based on the equilibrium ratio between the driving force and the sum of the inertial force and drive resistances, in which the mass and a gradient angle of the roadway are contained as quantities. The method may include: a) computer-aided differentiation of the equilibrium ratio according to the time with the assumption that the gradient angle is constant; and b) calculating the mass of the vehicle and/or the reciprocal value of the mass from the equilibrium ratio differentiated according the time.